

42. (Amended) A process according to claim 38, wherein the reducing agent is selected from hydrogen, hydrocarbon, ammonia, hydrazine, hydride, amine, water, and amide.

56. (Amended) A process according to claim 50, wherein the reducing agent is selected from hydrogen, hydrocarbon, ammonia, hydrazine, hydride, amine, water, and amide.

Please add the following claims:

80. (New) A process according to claim 4, further comprising adding at least calcium hydroxide or sodium hydroxide to the water.

81. (New) A process according to claim 37, further comprising adding at least calcium hydroxide or sodium hydroxide to the water prior to dissolving the hydrogen fluoride in the water.

82. (New) A process according to claim 45, further comprising adding at least calcium hydroxide or sodium hydroxide to the water prior to dissolving the hydrogen fluoride in the water.

83. (New) A process according to claim 56, further comprising adding at least calcium hydroxide or sodium hydroxide to the water.

84. (New) A process according to claim 1, further comprising vaporizing a liquid reducing agent to produce the gaseous reducing agent for mixing with the treatment gas.

85. (New) A process according to claim 22, further comprising vaporizing a liquid reducing agent to produce the gaseous reducing agent for mixing with the treatment gas.

86. (New) A process according to claim 30, further comprising vaporizing a liquid reducing agent to produce the gaseous reducing agent for mixing with the treatment gas.